

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, United States

Year	Coal Million Short Tons	Net Imports of Coal Coke Billion Cubic Feet	Natural Gas ^a Billion Cubic Feet	Petroleum						Hydro-electric Power ^{e,f} Billion kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Billion kWh	Retail Electricity Sales	Net Energy ^{f,j}	Electrical System Energy Losses ^k	Total ^{f,j}
				Distillate Fuel Oil	HGL ^b	Motor Gasoline ^c	Residual Fuel Oil	Other ^d	Total		Wood and Waste ^g	Losses and Co-products ^h						
				Million Barrels														
1960	177	(s)	5,771	174	122	73	252	370	991	4	---	---	---	NA	324	---	---	---
1965	201	-1	7,112	197	172	65	252	499	1,185	3	---	---	---	NA	429	---	---	---
1970	187	-2	9,249	211	255	55	258	611	1,390	3	---	---	---	NA	571	---	---	---
1975	147	1	8,365	230	315	43	240	R 647	1,474	3	---	---	---	NA	688	---	---	---
1980	127	-1	8,198	227	473	30	215	R 827	1,772	3	---	---	---	NA	815	---	---	---
1985	116	-1	6,867	192	514	41	119	R 617	1,484	3	---	---	---	NA	837	---	---	---
1990	115	(s)	8,255	198	498	35	65	R 775	1,571	3	---	---	---	(s)	946	---	---	---
1995	106	2	9,384	194	631	38	54	R 760	1,677	5	---	---	---	(s)	1,013	---	---	---
1996	103	1	9,685	204	655	38	53	R 813	1,764	6	---	---	---	(s)	1,034	---	---	---
1997	102	2	9,714	207	661	41	46	R 853	1,808	6	---	---	---	(s)	1,038	---	---	---
1998	96	3	9,493	208	630	38	37	R 855	1,768	5	---	---	---	(s)	1,051	---	---	---
1999	93	2	9,158	204	703	29	33	R 869	1,838	5	---	---	---	(s)	1,058	---	---	---
2000	94	3	9,293	206	704	29	38	R 818	1,795	4	---	---	---	(s)	1,064	---	---	---
2001	91	1	8,463	223	625	57	32	R 848	1,786	3	---	---	---	(s)	997	---	---	---
2002	84	2	8,640	207	657	59	30	R 847	1,801	4	---	---	---	(s)	990	---	---	---
2003	86	2	8,273	201	617	62	35	R 880	1,795	4	---	---	---	(s)	1,012	---	---	---
2004	86	6	8,354	208	651	71	40	R 941	1,911	3	---	---	---	(s)	1,018	---	---	---
2005	84	2	7,713	217	608	68	45	R 924	1,862	3	---	---	---	(s)	1,019	---	---	---
2006	82	2	7,669	217	624	72	38	R 944	1,895	3	---	---	---	(s)	1,011	---	---	---
2007	79	1	7,881	217	636	59	31	R 902	1,845	2	---	---	---	(s)	1,028	---	---	---
2008	76	2	7,890	293	553	48	31	R 904	1,669	2	---	---	---	(s)	1,010	---	---	---
2009	61	-1	7,443	186	590	47	21	R 716	1,559	2	---	---	---	(s)	917	---	---	---
2010	70	(s)	8,112	200	650	51	19	R 726	R 1,646	2	---	---	---	(s)	971	---	---	---
2011	68	(s)	8,317	214	650	50	21	R 711	R 1,647	2	---	---	---	(s)	991	---	---	---
2012	64	(s)	8,622	220	700	50	11	R 688	R 1,669	2	---	---	---	(s)	986	---	---	---
2013	65	-1	8,909	219	750	52	8	R 694	R 1,723	3	---	---	---	(s)	985	---	---	---
2014	64	-1	9,158	237	720	42	6	R 667	R 1,672	1	---	---	---	(s)	998	---	---	---
2015	58	-1	R 9,098	203	774	51	5	R 678	R 1,711	1	---	---	---	(s)	987	---	---	---
2016	51	-1	9,312	200	775	52	8	685	1,720	1	---	---	---	(s)	977	---	---	---

Trillion Btu																		
1960	4,548	-6	5,973	1,016	507	381	1,584	2,278	5,766	39	680	NA	NA	NA	1,107	18,107	2,738	20,845
1965	5,134	-18	7,350	1,150	712	342	1,582	3,026	6,813	33	855	NA	NA	NA	1,463	21,630	3,492	25,122
1970	4,664	-58	9,498	1,226	953	288	1,624	3,686	7,777	34	1,019	NA	NA	NA	1,948	24,881	4,712	29,593
1975	3,658	14	8,571	1,339	1,161	223	1,509	R 3,895	8,127	32	1,063	NA	NA	NA	2,346	23,810	5,629	29,439
1980	3,155	-35	8,409	1,324	1,763	158	1,349	R 4,915	9,509	33	1,600	NA	NA	NA	2,781	25,405	6,683	32,089
1985	2,777	-13	7,096	1,119	1,871	218	748	R 3,759	7,714	33	1,875	42	NA	NA	2,855	22,340	6,538	28,878
1990	2,754	5	8,520	1,150	1,832	185	411	R 4,672	8,251	31	1,634	49	2	(s)	3,226	24,431	7,397	31,828
1995	2,500	61	9,678	1,130	2,328	200	337	R 4,592	8,587	55	1,847	86	3	(s)	3,455	26,232	7,802	34,035
1996	2,438	23	9,999	1,186	2,409	200	335	R 4,890	9,020	61	1,907	61	3	(s)	3,527	26,999	7,967	34,966
1997	2,396	46	10,109	1,202	2,429	212	291	R 5,121	9,255	58	1,915	80	3	(s)	3,542	27,367	7,966	35,333
1998	2,254	67	9,882	1,210	2,310	200	230	R 5,132	9,082	55	1,784	86	3	(s)	3,587	26,760	8,074	34,835
1999	2,188	58	9,488	1,186	2,582	152	207	R 5,229	9,356	49	1,791	90	4	(s)	3,611	26,547	8,195	34,741
2000	2,259	65	9,550	1,199	2,571	150	241	R 4,914	9,075	42	1,781	99	4	(s)	3,631	26,476	8,213	34,689
2001	2,194	29	8,674	1,299	2,278	295	203	R 5,105	9,179	39	1,571	108	5	(s)	3,400	25,162	7,541	32,703
2002	2,020	61	8,865	1,203	2,383	309	190	R 5,084	9,170	39	1,543	130	5	(s)	3,379	25,186	7,510	32,696
2003	2,044	51	8,510	1,169	2,249	324	220	R 5,271	9,233	43	1,511	168	3	(s)	3,454	24,992	7,601	32,592
2004	2,046	138	8,573	1,213	2,364	371	249	R 5,636	9,833	33	1,613	201	4	(s)	3,473	25,890	7,669	33,559
2005	1,954	44	7,930	1,262	2,205	355	281	R 5,539	9,643	32	1,604	227	4	(s)	3,477	24,893	7,622	32,514
2006	1,914	61	7,881	1,258	2,244	374	239	R 5,661	9,777	29	1,606	280	4	(s)	3,451	24,977	7,480	32,456
2007	1,864	25	8,098	1,256	2,285	302	193	R 5,415	9,452	16	1,562	368	5	(s)	3,507	24,871	7,593	32,464
2008	1,792	41	8,103	1,348	1,976	246	194	R 4,823	8,588	17	1,486	518	5	(s)	3,444	23,967	7,439	31,406
2009	1,394	-24	7,629	1,073	2,077	238	130	R 4,300	7,819	18	1,336	602	4	(s)	3,130	21,883	6,652	28,535
2010	1,625	-6	8,302	1,153	2,298	260	120	R 4,360	R 8,191	16	R 1,577	726	4	(s)	3,314	R 23,723	7,015	R 30,738
2011	1,567	11	8,502	1,236	2,254	255	135	R 4,275	R 8,154	17	R 1,602	754	4	(s)	3,382	R 23,970	7,096	R 31,066
2012	1,516	4	8,823	1,271	2,451	252	70	R 4,138	R 8,181	22	R 1,621	709	4	(s)	3,363	R 24,221	6,924	R 31,145
2013	1,547	-17	9,131	1,265	2,643	263	48	R 4,157	R 8,376	33	R 1,676	707	4	(s)	3,362	R 24,803	6,884	R 31,686
2014	1,529	-22	9,450	1,365	2,513	210	41	R 4,010	R 8,139	32	R 1,685	755	4	(s)	3,404	R 24,941	6,932	R 31,873
2015	1,380	-18	R 9,427	1,169	2,728	258	34	R 4,074	R 8,262	13	R 1,666	774	4	(s)	3,366	R 24,861	6,668	R 31,529
2016	1,206	-19	9,650	1,156	2,700	262	52	4,124	8,294	12	1,648	798	4	(s)	3,333	24,918	6,535	31,453

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
^e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h Losses and co-products from the production of fuel ethanol.
ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

^j For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
^k Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
kWh = Kilowatthours. -- = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.